

# *Brent Rauhut Engineering Inc.*



SPS-1 Texas  
File

*web*

23 January 1998

Mr. Aramis Lopez  
Pavement Performance Division - LTPP (HNR-40)  
Federal Highway Administration  
Turner-Fairbanks Highway Research Center  
6300 Georgetown Pike, Room F-215  
McLean, Virginia 22101

Subject: Final Report - Construction of SPS-1 Project (4801) on US-281 in Hidalgo County, Texas

Dear Aramis,

Enclosed is the Final Report for the Specific Pavement Studies (SPS-1) project on US-281 in Hidalgo County, Texas. This report documents the construction of the Strategic Study of Structural Factors for Flexible Pavements test sections at this location, as well as the monitoring of the project to date.

Please feel free to contact me should you have any questions or comments regarding any of the information included in this report.

Sincerely,

Jerry F. Daleiden, P.E.  
Project Engineer, SRCO

JFD:dmj

Enclosure: As stated.

c.w/Enc: Amadeo Saenz, TXDOT/Pharr Dist.  
John De la Garza, TXDOT/Pharr Dist.  
Albert Quintanilla, TXDOT/Pharr Dist.  
Debbie Walker, TXDOT  
Gonzalo Rado, PCS/LAW

John E. Nichols, FHWA/TX Div.  
Shiraz Tayabji, ERES-MD

LTPP SPS Project Deviation Report	State Code	48
Project Summary Sheet	Project Code	01XX

### Project Classification Information

SPS Experiment Number: 1	State or Province: Texas
LTPP Region: Southern	<input type="checkbox"/> North Atlantic <input type="checkbox"/> North Central <input checked="" type="checkbox"/> Southern <input type="checkbox"/> Western
Climate Zone:	<input type="checkbox"/> Dry-Freeze <input checked="" type="checkbox"/> Dry-No Freeze <input type="checkbox"/> Wet-Freeze <input type="checkbox"/> Wet-No Freeze
Subgrade Classification:	<input type="checkbox"/> Fine Grain <input checked="" type="checkbox"/> Coarse Grain <input type="checkbox"/> Active (SPS-8 Only)
Project Experiment Classification Designation (SPS 1, 2 and 8): X-(DNF, Coarse)	
Construction Start Date: 12 / 1996	Construction End Date: 6 / 1997
FHWA Incentive Funds Provided to Agency for this Project: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

### Deviation Summary

Site Location Deviations:	<input checked="" type="checkbox"/> No Deviations <input type="checkbox"/> Minor Deviations <input type="checkbox"/> Significant Deviations
Construction Deviations:	<input type="checkbox"/> No Deviations <input checked="" type="checkbox"/> Minor Deviations <input type="checkbox"/> Significant Deviations

### Data Collection and Processing Status Summary

Inventory Data (SPS 5,6,7,9):	<input type="checkbox"/> Complete Submission <input type="checkbox"/> Incomplete <input type="checkbox"/> Data Not Available
Materials Data:	<input type="checkbox"/> All Scheduled Samples Obtained and Tested <input checked="" type="checkbox"/> Incomplete/No Test Data
Construction Data:	<input checked="" type="checkbox"/> All Required Data Obtained <input type="checkbox"/> Incomplete/Missing Data Elements
Historical Traffic Data:	<input type="checkbox"/> All Required Historical Estimates Submitted (SPS 5,6,7,9) <input type="checkbox"/> Required Estimates Not Submitted
Traffic Monitoring Equipment:	<input type="checkbox"/> WIM Installed On-Site <input type="checkbox"/> AVC Installed On-Site <input type="checkbox"/> ATR Installed On-Site <input checked="" type="checkbox"/> No Equipment Installed
Traffic Monitoring:	<input checked="" type="checkbox"/> Preferred <input type="checkbox"/> Continuous <input type="checkbox"/> Minimum <input type="checkbox"/> Below Minimum <input type="checkbox"/> Site Related
Traffic Monitoring Data:	<input checked="" type="checkbox"/> Monitoring Data Submitted <input type="checkbox"/> No Monitoring Data Submitted
FWD Measurements:	<input type="checkbox"/> Preconstruction Tests Performed <input type="checkbox"/> Construction Tests Performed <input checked="" type="checkbox"/> Post-construction Tests Performed
Profile Measurements:	<input type="checkbox"/> Preconstruction Tests Performed <input checked="" type="checkbox"/> Post-construction Tests Performed
Distress Measurements:	<input type="checkbox"/> Preconstruction Tests Performed <input checked="" type="checkbox"/> Post-construction Tests Performed
Maint. & Rehab. Data:	<input type="checkbox"/> Complete Submission <input type="checkbox"/> Incomplete <input type="checkbox"/> Data Not Available
Friction Data:	<input type="checkbox"/> Complete Submission <input type="checkbox"/> Incomplete <input checked="" type="checkbox"/> Data Not Available

### Report Status

Materials Sampling and Test Plan:	<input type="checkbox"/> Document Prepared <input checked="" type="checkbox"/> Final Submitted to FHWA
Construction Report:	<input type="checkbox"/> Document Prepared <input checked="" type="checkbox"/> Final Submitted to FHWA
AWS: (SPS 1, 2, & 8)	<input type="checkbox"/> AWS Installed <input checked="" type="checkbox"/> AWS Installation Report Submitted to FHWA

LTPP SPS Project Deviation Report  
Site Location Guidelines Deviations

State Code  
Project Code

48  
01XX

- ☒ Comments Pertain to All Test Sections on Project  
☐ Comments Pertain Only to Section(s): (Specify) \_\_\_\_\_

Site Location Guideline Deviation Comments

*There were no deviations noted.*

LTPP SPS Project Deviation Report  
Construction Guidelines Deviations

State Code  
Project Code

48  
01XX

- ☒ Comments Pertain to All Test Sections on Project  
☐ Comments Pertain Only to Section(s): (Specify) \_\_\_\_\_

Construction Guidelines Deviation Comments

Transverse interceptors were not used on this project.  
The project is located on fairly level ground and there was  
a sufficient cross-slope to transfer water away from the  
section.

LTPP SPS Project Deviation Report  
Data Collection and  
Materials Sampling and Testing Deviations

State Code  
Project Code

4 8  
01 X X

- ☒ Comments Pertain to All Test Sections on Project  
☐ Comments Pertain Only to Section(s): (Specify) \_\_\_\_\_

Data Collection & Material Sampling and Testing Deviation Comments

No deviations were noted or observed. All PATB samples were taken from the three sections on the North end of the project. The PATB paved on the three southerly sections was not sampled.

<b>LTPP SPS Project Deviation Report</b>	State Code Project Code
<b>Other Deviations</b>	
<input checked="" type="checkbox"/> Comments Pertain to All Test Sections on Project <input type="checkbox"/> Comments Pertain Only to Section(s): (Specify) _____	
<b>Other Deviation Comments</b> <div style="margin-left: 40px;">WIM will be installed in the very near future.</div>	